

CLAIMS

5 1. Single dual reed module, particularly for an
instrument of the accordion type using two directions of
air flow, characterized in that it comprises, for each
note, a fixed single tongue carrier (32) with a window (34)
and a tongue (36) connected to said tongue carrier and
10 comprising at least one tongue (42) arranged in line with
this window, as well as at least one associated movable
element (44) disposed laterally relative to said tongue and
adapted to have a first position for the first direction of
air flow by providing an interstice between this movable
15 element and the edge of the tongue so that this tongue
vibrates to emit said note in this first direction of the
air, and a second position symmetrical to the first
relative to the plane of the tongue for the second
direction of air flow by likewise providing an interstice
20 such that the tongue vibrates to emit the same note in this
second direction of air flow.

 2. Single dual reed module according to claim 1,
characterized in that the interstice between each movable
25 element (44) and the tongue (42) is variable.

 3. Single dual reed module according to claim 1 or 2,
characterized in that each movable element is a movable
flap (44) mounted freely in rotation about an axle (48)
30 disposed substantially parallel to the longitudinal axis of
the tongue (42) and immediately adjacent it, said axle
being disposed in the medial plane of the tongue at rest.

4. Single dual reed module according to claim 3, characterized in that each flap (44) is a portion of a figure of revolution, the axle (48) of rotation being near
5 the axis of said figure of rotation, this flap being provided with means (46) for driving and abutment in the two directions corresponding to the two directions of the air.

10 5. Single dual reed module according to claim 4, characterized in that the portion (44) of the figure of revolution is defined such that the surfaces will be parallel to the air flow circulating in the window (34), this in the first and second positions of the movable
15 elements for each of the two directions of air flow, said figure of revolution having a bevel (50) provided on the edge, of dimensions that vary along the longitudinal axis.

6. Single dual reed module according to any one of the
20 preceding claims, characterized in that it comprises shock absorbing means (52) for the abutments of the elements (44) relative to the tongue carrier.

7. Single dual reed module according to claim 6,
25 characterized in that the shock absorber means (52) comprise a portion carried by the drive and abutment means (46) and a portion carried by the tongue carrier to generate an air cushion (56) trapped in a volume with controlled loss.

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8. Single dual reed module according to claim 6, characterized in that these shock absorber means comprise

an end plate (70) provided with a head (72) projecting perpendicularly inwardly, in line with the end of the tongue (42) of the tongue (36).

5 9. Single dual reed module according to claim 8, characterized in that this head (72) has abutments (74B, 74H; 76B, 76H), in this instance projecting bosses (78), and the flaps (44) are prolonged beyond the length of the tongue (42) to the end plate (70), the portion of the flap
10 which is prolonged being provided with an abutment (80H, 80B; 82H, 82B), in this instance blind recesses provided to coact by shock absorbing nesting with the bosses (78).

15 10. Single dual reed module according to any one of the preceding claims, characterized in that the tongue (36) comprises a heel (38) fixed on the tongue carrier (32), preferably by a rivet.

20 11. Single dual reed module according to any one of the preceding claims, characterized in that each movable element (44) has a shape which surrounds the tongue (42) including its end.

25 12. Single dual reed module according to any one of the preceding claims, characterized in that the tongue carrier (32) has a shape deflected about the movable elements (44).